

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 713 AND MD 176 IN ANNE ARUNDEL COUNTY. THE WORK IS NECESSITATED BY THE WIDENING OF THE E.B. MD 176 APPROACH TO CREATE A LEFT TURN LANE. MD 713 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

MD 713 AND MD 176
THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR N.B. & S.B. MD 713 AND SPLIT PHASING FOR MD 176. THIS OPERATION WILL NOT BE CHANGED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
1 EA	R3-SL (30" X 36") SIGN - MAST ARM MOUNT
1 EA	ELECTRICAL HANDHOLE
3 EA	ADJUST EXISTING HANDHOLE TO GRADE
45 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
60 LF	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
85 LF	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT- BORED
10 LF	1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT - DETECTOR SLEEVE
25 LF	SAWCUT
1 EA	MICRO-LOOP PROBE WITH LEAD-IN CABLE
1185 LF	DISCONNECT, PULL BACK AND REROUTE CABLE
* LS	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
* 11485 LF	5 IN. HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
* 50 LF	10 IN. YELLOW HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKING
* 705 LF	10 IN. WHITE HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKING
* 150 LF	24 IN. WHITE HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKING
* 5 EA	WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING "ONLY"
* 24 EA	WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ARROW
* 25 LF	REMOVE EXISTING PAVEMENT MARKING LINE
* 80 LF	WOOD SIGN SUPPORTS 4 IN. X 6 IN.
* 66 LF	WOOD SIGN SUPPORTS 4 IN. X 4 IN.
* 1 EA	W4-3R SIGN (36" X 36") - GROUND MOUNT
* 4 EA	R3-7R SIGN (30" X 30") - GROUND MOUNT
* 2 EA	M4-6(1) SIGN (24" X 12") - GROUND MOUNT
* 2 EA	M4-6(2) SIGN (24" X 12") - GROUND MOUNT
* 4 EA	R3-9b SIGN (24" X 36") - GROUND MOUNT
* 9 EA	RELOCATE EXISTING GROUND MOUNTED SIGN AND SUPPORTS
1 EA	RELOCATE EXISTING SIGNAL HEAD

* - QUANTITIES INCLUDE SIGNING AND PAVEMENT MARKINGS SHOWN ON SHEETS IC-3, IC-4, AND IC-5

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS. KIM TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 841-1019

MR. JOHN MAY'S
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 841-1013

MR. MIKE HUBER
UTILITY ENGINEER
(410) 841-1039

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

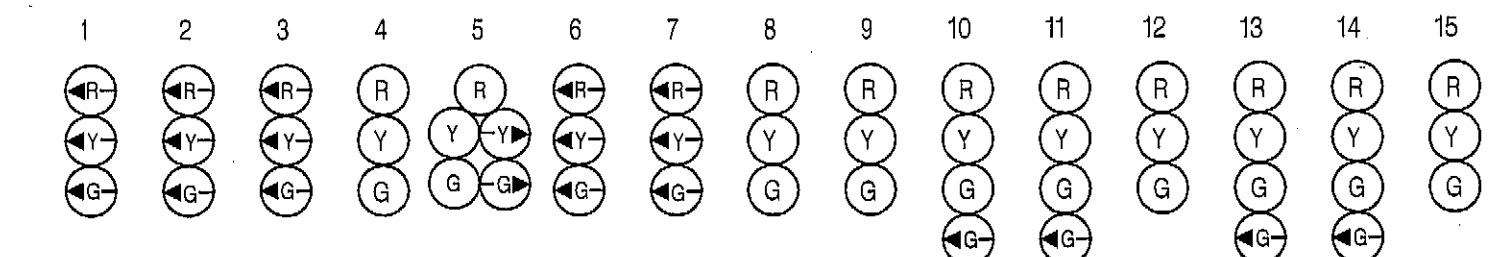
MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

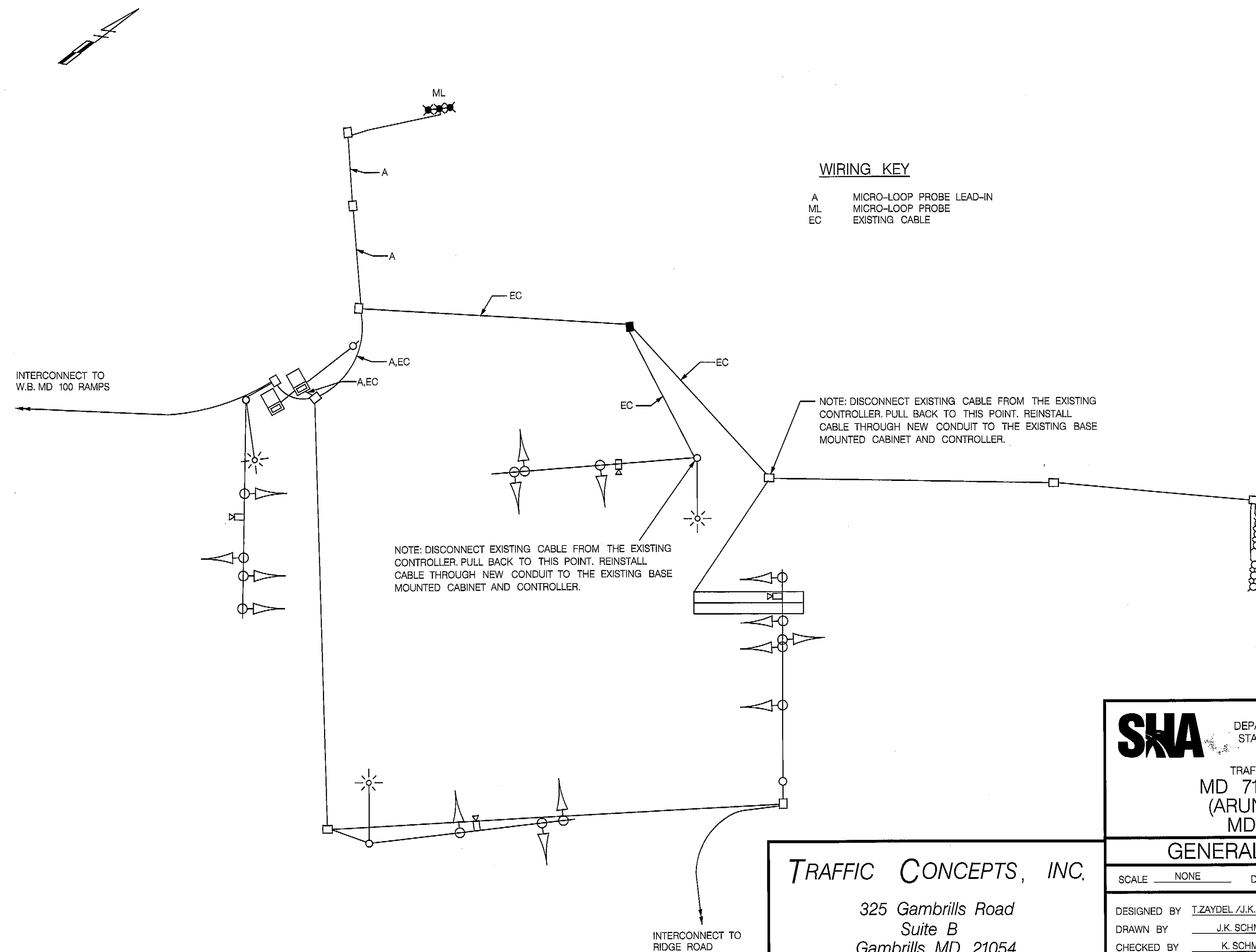
MR. ED RODENHIZER
CHIEF - SIGNAL OPERATIONS SECTION
(410) 787-7652

PHASING CHART



PHASE 1 + 6	←R→	←R→	←R→	R	R	←G→	←G→	G	G	R	R	R	R	R	R	R
1 CHANGE	←R→	←R→	←R→	R	R	←Y→	←Y→	G	G	R	R	R	R	R	R	R
PHASE 2 + 5	←G→	←G→	←G→	G	G	←R→	←R→	R	R	R	R	R	R	R	R	R
5 CHANGE	←Y→	←Y→	←Y→	G	G	←R→	←R→	R	R	R	R	R	R	R	R	R
PHASE 2 + 6	←R→	←R→	←R→	G	G	←R→	←R→	G	G	R	R	R	R	R	R	R
2 + 6 CHANGE	←R→	←R→	←R→	Y	Y	←R→	←R→	Y	Y	R	R	R	R	R	R	R
PHASE 3	←R→	←R→	←R→	R	R	←R→	←R→	R	R	R	R	R	R	R	R	R
3 CHANGE	←R→	←R→	←R→	R	R	←R→	←R→	R	R	R	R	R	R	R	R	R
PHASE 4	←R→	←R→	←R→	R	R	←R→	←R→	R	R	←G→	←G→	G	G	R	R	R
4 CHANGE	←R→	←R→	←R→	R	R	←R→	←R→	R	R	Y	Y	Y	Y	R	R	R
FLASHING OPERATION	FLR	FLR	FLR	FLY	FLY	FLR	FLR	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	FLR

WIRING DIAGRAM



TRAFFIC CONCEPTS, INC.

325 Gambrills Road
Suite B
Gambrills, MD 21054
(410) 923-7101

FAX: (410) 923-6473
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 713 (NEW RIDGE ROAD) /
(ARUNDEL MILLS BLVD.) AND
MD 176 (DORSEY ROAD)

GENERAL INFORMATION PLAN

SCALE	NONE	DATE	10-8-10	CONTRACT NO.	BW996M82
DESIGNED BY	T.ZAYDEL/J.K. SCHMID	COUNTY	ANNE ARUNDEL		
DRAWN BY	J.K. SCHMID	LOGMILE	02071303.05		
CHECKED BY	K. SCHMID	T.I.M.S. NO.	K-300		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS - 3227D GI	SHEET NO.	2	OF	2

FILE PATH: M:\1900\1952\Signal\md176@md713.dgn
DATE: Friday, October 29, 2010 AT 09:45 AM